

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Express Mail Label No. : EV 352375568 US**

Applicant : Robert A. Hawley et al.  
Application No. : To be assigned  
Filed : Filed herewith  
Title : VARIABLE RATE MODULATOR  
Grp./Div. : To be assigned  
Examiner : To be assigned  
Docket No. : 50580/PAN/B600

**INFORMATION DISCLOSURE STATEMENT  
FOR A CONTINUING NON-CPA APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

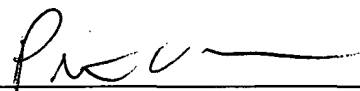
Post Office Box 7068  
Pasadena, CA 91109-7068  
June 25, 2003

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, enclosed is FORM PTO/SB/08A/B. The references listed thereon are not enclosed because they were of record in a parent application, Application No. 10/116,975, filed April 5, 2002.

It is respectfully requested that these references be considered in the examination of this application, and identified in the list of references cited on the patent issuing on this application.

Respectfully submitted,  
CHRISTIE, PARKER & HALE, LLP

By   
Peter A. Nichols  
Reg. No. 47,822  
626/795-9900

PAN/cks  
Enclosure(s)  
CKS PAS511807.1-\*-06/25/03 9:55 AM

FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B	<b>Attorney Docket Number</b>	<b>50580/PAN/B600</b>
<b>INFORMATION DISCLOSURE</b>  <b>STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	Application Number	To be assigned
	Filing Date	Filed herewith
	Applicant(s)	Robert A. Hawley et al.
	Group Art Unit	To be assigned
	Examiner Name	To be assigned

U.S. PATENT DOCUMENTS				
EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (If Known)	Publication Date MM-DD-YYYY	Name of Patentee
	1	5,412,352	05-02-1995	Graham
	2	5,479,457	12-26-1995	Waters
	3	5,500,892	03-19-1996	Essig
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	5	5,519,732	05-21-1996	Chester
	6	5,606,319	02-25-1997	Yatim, et al.
	7	5,625,646	04-29-1997	Goodson et al.
	8	5,724,396	03-03-1998	Claydon et al.
	9	5,748,126	05-05-1998	Ma et al.
	10	5,764,113	06-09-1998	Snell
	11	5,768,328	06-16-1998	Nielsen
	12	5,783,974	07-21-1998	Koslov, et al.
	13	5,828,710	10-27-1998	Beale, Terrance Ralph
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	15	5,978,420	11-02-1999	Koslov et al.
	16	6,041,088	03-21-2000	McCallister
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	18	6,067,319	05-23-2000	Copeland
	19	6,144,712	11-07-2000	Samueli et al.

FOREIGN PATENT DOCUMENTS					
EXAMINER INITIALS	Cite No. <sup>1</sup>	FOREIGN PATENT DOCUMENT Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup> (✓)

EXAMINER SIGNATURE		DATE CONSIDERED	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.pto.gov](http://www.pto.gov) or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

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OTHER DOCUMENTS		
EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	20	Henry Samueli, et al., "VLSI Architectures for a High-Speed Tunable Digital Modulator/Demodulator/BandPass-Filter Chip Set", Integrated Circuits and Systems Laboratory Electrical Engineering Department University of California, Los Angeles, (ISCAS '92), 4 pages.

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